

Converting Colors

Yxy(68.4946, 0.3080, 0.4512)

Have a look what the booklet for
Yxy(68.4946, 0.3080, 0.4512)
contains.

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Color

Yxy(68.4808, 0.3076, 0.4506)

Conversions

Conversions Part 1

Format	Color
Hex	90ED8F
RGB	144, 237, 143
RGB Percent	56%, 93%, 56%
CMY	0.4352, 0.0706, 0.4391
CMYK	0.39, 0.00, 0.40, 0.07
HSL	119°, 72%, 75%
HSV	119°, 40%, 93%
XYZ	46.7481, 68.4808, 36.7480
YIQ	198.4770, -25.2540, -48.9500

Conversions

Conversions Part 2

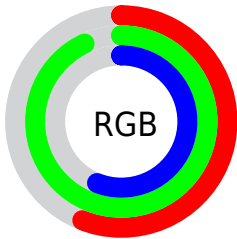
Format	Color
RYB	143, 237, 236
Decimal	9497999
CIELab	86.25, -46.04, 37.04
CIElCh	86, 59.087, 141.181
Yxy	68.4808, 0.3076, 0.4506
Android (android.graphics.Color)	4287688079 (0xFF90ED8F)
YUV	198.4770, -27.3502, -47.7763
Hunter-Lab	82.7531, -43.9815, 31.5984

Details

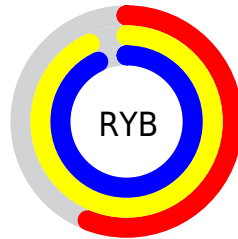
The Yxy color **68.4808, 0.3076, 0.4506** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.5974, 0.3164, 0.2311**, and the grayscale version is **56.9646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0147, 0.3116, 0.3916**, and **35.4726, 0.3034, 0.4841** is the 20% darker color. If you saturate the color by 10%, you get **65.9425, 0.3060, 0.4867**, and if you desaturate by 10%, it is **71.6150, 0.3091, 0.4156**.

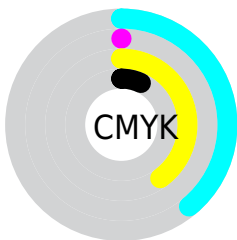
Distribution



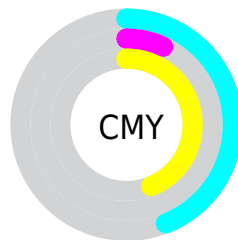
- Red (56%)
- Green (93%)
- Blue (56%)



- Red (56%)
- Yellow (93%)
- Blue (93%)



- Cyan (39%)
- Magenta (0%)
- Yellow (40%)
- Black (7%)





- Cyan (44%)
- Magenta (7%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4808, 0.3076, 0.4506 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 68.4808, 0.3076, 0.4506 by changing the saturation by 10% instead.


 68.4808, 0.3076,
0.4506


 68.4808, 0.3076,
0.4506


455.1976, 0.3123,
0.3900

 50.2890, 0.3058,
0.4654


 117.0397, 0.3098,
0.4288

 35.6431, 0.3032,
0.4842


 148.1756, 0.3105,
0.4205

 24.1587, 0.2992,
0.5087


184.3949, 0.3110,
0.4135

 15.4514, 0.2927,
0.5417

226.0821, 0.3114,
0.4075

 9.1368, 0.2814,
0.5879

273.6216, 0.3117,
0.4023

 4.8305, 0.2616,
0.6599


327.3978, 0.3119,

 2.1482, 0.2142,


0.3977


0.7858


387.7950, 0.3121,
0.3936


 0.6915, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.4808, 0.3076,
0.4506


 68.4808, 0.3076,
0.4506

 65.9425, 0.3060,
0.4867


 71.6150, 0.3091,
0.4156

 63.9545, 0.3043,
0.5215

 75.3702, 0.3105,
0.3831

 62.4785, 0.3028,
0.5524

 79.7806, 0.3117,
0.3539

 61.4677, 0.3016,
0.5766

 84.8753, 0.3127,
0.3282

■ 60.8666, 0.3007,
0.5922

■ 89.0482, 0.3135,
0.3117

■ 60.5916, 0.3002,
0.5997

■ 60.5846, 0.3002,
0.5999

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.4808, 0.3769, 0.4603



68.4808, 0.3076, 0.4506



68.4808, 0.2433, 0.3922

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.4808, 0.3076, 0.4506



68.4808, 0.2002, 0.2241



68.4808, 0.4376, 0.3234

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68.4808, 0.3076, 0.4506



43.5974, 0.3164, 0.2311

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.4808, 0.3786, 0.2743



68.4808, 0.3076, 0.4506



68.4808, 0.2404, 0.2194

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.4808, 0.3076, 0.4506



68.4808, 0.1866, 0.2555



68.4808, 0.3042, 0.2375



68.4808, 0.4569, 0.3774

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.4808, 0.3076, 0.4506



68.4808, 0.2119, 0.3404



68.4808, 0.3042, 0.2375



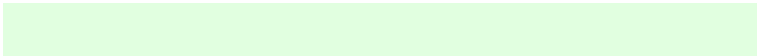
68.4808, 0.4215, 0.3061

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68.4837, 0.3076, 0.4506



92.8873, 0.3114, 0.3605



79.6534, 0.3727, 0.4258



19.7312, 0.3113, 0.3643



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.4837, 0.3076, 0.4506



78.2633, 0.3062, 0.4814



70.0597, 0.2827, 0.3904



16.8698, 0.3117, 0.3533



33.0806, 0.3002, 0.5998



2.6003, 0.3009, 0.5993

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



43.5974, 0.3164, 0.2311



44.8981, 0.3170, 0.2120



41.4427, 0.3604, 0.2755



15.3051, 0.3136, 0.3058



12.9354, 0.3183, 0.1527



1.0184, 0.3187, 0.1529

Previews

White Background



This preview shows how the Yxy color 68.4808, 0.3076, 0.4506 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 68.4808, 0.3076, 0.4506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.4808, 0.3076, 0.4506

Background



This preview shows how black text looks on a background with the Yxy color 68.4808, 0.3076, 0.4506.



This preview shows how white text looks on a background with the Yxy color 68.4808, 0.3076, 0.4506.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

68.4808, 0.3076, 0.4506

Protanopia

67.8145, 0.3844, 0.4168

Deuteranopia

67.6696, 0.3924, 0.3850



Tritanopia

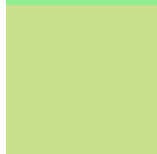
68.2140, 0.2637, 0.3080

Trichromacy



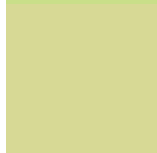
Original Color

68.4808, 0.3076, 0.4506



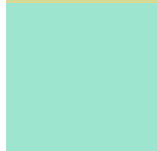
Protanomaly

66.9990, 0.3532, 0.4303



Deuteranomaly

66.2427, 0.3582, 0.4073



Tritanomaly

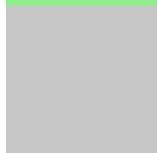
67.7117, 0.2796, 0.3560

Monochromacy



Original Color

68.4808, 0.3076, 0.4506



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.7663, 0.3107, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4808, 0.3076, 0.4506 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(144, 237, 143)` looks like.

```
.text, #text, p{  
    color:rgb(144, 237, 143)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(144, 237, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 237, 143) }
```

Border

The CSS property to change the border of an element to Yxy 68.4808, 0.3076, 0.4506 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(144, 237, 143) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(144, 237, 143) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(144, 237, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 237, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 237, 143);  
box-shadow:4px 4px 4px 4px rgb(144, 237,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4808, 0.3076, 0.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 237, 143) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(144,  
237, 143) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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